Testing average cycles for selfish strength 0  
Number of cycles run: 4408  
Number of cycles run: 3552  
Number of cycles run: 50000  
Number of cycles run: 7900  
Number of cycles run: 50000  
Number of cycles run: 10750  
Number of cycles run: 34972  
Number of cycles run: 562  
Number of cycles run: 5908  
Number of cycles run: 40693  
Number of cycles run: 11218  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 529  
Number of cycles run: 10395  
Number of cycles run: 6543  
Number of cycles run: 4787  
Number of cycles run: 5665  
Number of cycles run: 13626  
Number of cycles run: 50000  
Number of cycles run: 19265  
Number of cycles run: 4686  
Number of cycles run: 7230  
Number of cycles run: 13808  
Number of cycles run: 9173  
Number of cycles run: 3779  
Number of cycles run: 3619  
Number of cycles run: 5924  
Number of cycles run: 26596  
Number of cycles run: 537  
Number of cycles run: 16119  
Number of cycles run: 50000  
Number of cycles run: 8548  
Number of cycles run: 50000  
Number of cycles run: 41463  
Number of cycles run: 4145  
Number of cycles run: 50000  
Number of cycles run: 7575  
Number of cycles run: 20616  
Number of cycles run: 538  
Number of cycles run: 2017  
Number of cycles run: 26237  
Number of cycles run: 34763  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 6827  
Number of cycles run: 27781  
Number of cycles run: 12267  
Number of cycles run: 11814  
Number of cycles run: 3195  
Av cycles for selfish strength 0 is 19600  
standard diviation is 18347.26270413911  
Testing average cycles for selfish strength 0  
Number of cycles run: 9586  
Number of cycles run: 4923  
Number of cycles run: 22325  
Number of cycles run: 14823  
Number of cycles run: 8424  
Number of cycles run: 50000  
Number of cycles run: 1497  
Number of cycles run: 1019  
Number of cycles run: 1626  
Number of cycles run: 5719  
Number of cycles run: 2760  
Number of cycles run: 14279  
Number of cycles run: 2144  
Number of cycles run: 50000  
Number of cycles run: 391  
Number of cycles run: 2081  
Number of cycles run: 2173  
Number of cycles run: 10892  
Number of cycles run: 50000  
Number of cycles run: 15373  
Number of cycles run: 8530  
Number of cycles run: 510  
Number of cycles run: 17299  
Number of cycles run: 50000  
Number of cycles run: 6059  
Number of cycles run: 6878  
Number of cycles run: 50000  
Number of cycles run: 10848  
Number of cycles run: 3971  
Number of cycles run: 6608  
Number of cycles run: 610  
Number of cycles run: 4388  
Number of cycles run: 5931  
Number of cycles run: 7770  
Number of cycles run: 6330  
Number of cycles run: 4088  
Number of cycles run: 1487  
Number of cycles run: 50000  
Number of cycles run: 6235  
Number of cycles run: 6488  
Number of cycles run: 539  
Number of cycles run: 8620  
Number of cycles run: 785  
Number of cycles run: 6623  
Number of cycles run: 50000  
Number of cycles run: 7364  
Number of cycles run: 15753  
Number of cycles run: 16505  
Number of cycles run: 6528  
Number of cycles run: 50000  
Av cycles for selfish strength 0 is 13735  
standard diviation is 16730.620067018997  
Testing average cycles for selfish strength 0  
Number of cycles run: 50000  
Number of cycles run: 385  
Number of cycles run: 828  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 2045  
Number of cycles run: 45068  
Number of cycles run: 9203  
Number of cycles run: 4113  
Number of cycles run: 11712  
Number of cycles run: 8181  
Number of cycles run: 50000  
Number of cycles run: 37283  
Number of cycles run: 7585  
Number of cycles run: 25397  
Number of cycles run: 18390  
Number of cycles run: 50000  
Number of cycles run: 30351  
Number of cycles run: 10074  
Number of cycles run: 2141  
Number of cycles run: 4059  
Number of cycles run: 1533  
Number of cycles run: 3481  
Number of cycles run: 50000  
Number of cycles run: 9934  
Number of cycles run: 5432  
Number of cycles run: 8006  
Number of cycles run: 8047  
Number of cycles run: 10336  
Number of cycles run: 3704  
Number of cycles run: 7153  
Number of cycles run: 719  
Number of cycles run: 30462  
Number of cycles run: 50000  
Number of cycles run: 15758  
Number of cycles run: 4801  
Number of cycles run: 14514  
Number of cycles run: 11662  
Number of cycles run: 2440  
Number of cycles run: 50000  
Number of cycles run: 3350  
Number of cycles run: 14312  
Number of cycles run: 50000  
Number of cycles run: 1915  
Number of cycles run: 13700  
Number of cycles run: 50000  
Number of cycles run: 7470  
Number of cycles run: 50000  
Number of cycles run: 4943  
Number of cycles run: 2219  
Av cycles for selfish strength 0 is 19054  
standard diviation is 18979.894915560366  
Testing average cycles for selfish strength 0  
Number of cycles run: 5144  
Number of cycles run: 2715  
Number of cycles run: 4895  
Number of cycles run: 10266  
Number of cycles run: 28826  
Number of cycles run: 10135  
Number of cycles run: 9803  
Number of cycles run: 10219  
Number of cycles run: 50000  
Number of cycles run: 3196  
Number of cycles run: 8397  
Number of cycles run: 5272  
Number of cycles run: 1597  
Number of cycles run: 7190  
Number of cycles run: 24222  
Number of cycles run: 6360  
Number of cycles run: 1399  
Number of cycles run: 5482  
Number of cycles run: 5764  
Number of cycles run: 4531  
Number of cycles run: 1093  
Number of cycles run: 520  
Number of cycles run: 12094  
Number of cycles run: 14062  
Number of cycles run: 4904  
Number of cycles run: 7862  
Number of cycles run: 50000  
Number of cycles run: 10186  
Number of cycles run: 18489  
Number of cycles run: 5751  
Number of cycles run: 7781  
Number of cycles run: 9687  
Number of cycles run: 1017  
Number of cycles run: 12532  
Number of cycles run: 6793  
Number of cycles run: 9068  
Number of cycles run: 50000  
Number of cycles run: 10518  
Number of cycles run: 9026  
Number of cycles run: 379  
Number of cycles run: 14086  
Number of cycles run: 6399  
Number of cycles run: 555  
Number of cycles run: 560  
Number of cycles run: 50000  
Number of cycles run: 4415  
Number of cycles run: 6982  
Number of cycles run: 26132  
Number of cycles run: 18472  
Number of cycles run: 50000  
Av cycles for selfish strength 0 is 12495  
standard diviation is 14099.900590531024  
Testing average cycles for selfish strength 0  
Number of cycles run: 9687  
Number of cycles run: 15051  
Number of cycles run: 8615  
Number of cycles run: 578  
Number of cycles run: 843  
Number of cycles run: 11580  
Number of cycles run: 11426  
Number of cycles run: 2755  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 4840  
Number of cycles run: 50000  
Number of cycles run: 10990  
Number of cycles run: 7260  
Number of cycles run: 10766  
Number of cycles run: 50000  
Number of cycles run: 21032  
Number of cycles run: 50000  
Number of cycles run: 1203  
Number of cycles run: 7304  
Number of cycles run: 50000  
Number of cycles run: 2782  
Number of cycles run: 1638  
Number of cycles run: 1619  
Number of cycles run: 50000  
Number of cycles run: 5693  
Number of cycles run: 8209  
Number of cycles run: 10458  
Number of cycles run: 25805  
Number of cycles run: 5146  
Number of cycles run: 1445  
Number of cycles run: 5241  
Number of cycles run: 3021  
Number of cycles run: 371  
Number of cycles run: 4552  
Number of cycles run: 7814  
Number of cycles run: 8638  
Number of cycles run: 3480  
Number of cycles run: 50000  
Number of cycles run: 2061  
Number of cycles run: 10085  
Number of cycles run: 8477  
Number of cycles run: 20119  
Number of cycles run: 14750  
Number of cycles run: 11872  
Number of cycles run: 8563  
Number of cycles run: 6383  
Number of cycles run: 50000  
Av cycles for selfish strength 0 is 17043  
standard diviation is 18423.394835471376  
Testing average cycles for selfish strength 0  
Number of cycles run: 21074  
Number of cycles run: 50000  
Number of cycles run: 3551  
Number of cycles run: 12212  
Number of cycles run: 5048  
Number of cycles run: 382  
Number of cycles run: 2469  
Number of cycles run: 4452  
Number of cycles run: 13297  
Number of cycles run: 4100  
Number of cycles run: 20353  
Number of cycles run: 50000  
Number of cycles run: 6543  
Number of cycles run: 3356  
Number of cycles run: 790  
Number of cycles run: 10690  
Number of cycles run: 50000  
Number of cycles run: 15883  
Number of cycles run: 6746  
Number of cycles run: 15903  
Number of cycles run: 16741  
Number of cycles run: 384  
Number of cycles run: 3768

Number of cycles run: 8140  
Number of cycles run: 713  
Number of cycles run: 1700  
Number of cycles run: 16715  
Number of cycles run: 13020  
Number of cycles run: 5425  
Number of cycles run: 7856  
Number of cycles run: 4375  
Number of cycles run: 7641  
Number of cycles run: 15513  
Number of cycles run: 50000  
Number of cycles run: 1555  
Number of cycles run: 50000  
Number of cycles run: 1333  
Number of cycles run: 4447  
Number of cycles run: 6198  
Number of cycles run: 1748  
Number of cycles run: 50000  
Number of cycles run: 5510  
Number of cycles run: 10223  
Number of cycles run: 50000  
Number of cycles run: 9468  
Number of cycles run: 6182  
Number of cycles run: 9951  
Number of cycles run: 877  
Number of cycles run: 500  
Number of cycles run: 1954  
Av cycles for selfish strength 0 is 13175  
standard diviation is 15946.00320986358  
Testing average cycles for selfish strength 0  
Number of cycles run: 50000  
Number of cycles run: 8557  
Number of cycles run: 538  
Number of cycles run: 9679  
Number of cycles run: 13182  
Number of cycles run: 17195  
Number of cycles run: 11411  
Number of cycles run: 8108  
Number of cycles run: 21441  
Number of cycles run: 7160  
Number of cycles run: 50000  
Number of cycles run: 20519  
Number of cycles run: 3482  
Number of cycles run: 6935  
Number of cycles run: 11637  
Number of cycles run: 11560  
Number of cycles run: 4416  
Number of cycles run: 5780  
Number of cycles run: 9181  
Number of cycles run: 50000  
Number of cycles run: 5350  
Number of cycles run: 14846  
Number of cycles run: 1311  
Number of cycles run: 935  
Number of cycles run: 6350  
Number of cycles run: 3869  
Number of cycles run: 50000  
Number of cycles run: 10146  
Number of cycles run: 16302  
Number of cycles run: 50000  
Number of cycles run: 3905  
Number of cycles run: 4375  
Number of cycles run: 349  
Number of cycles run: 3034  
Number of cycles run: 2931  
Number of cycles run: 50000  
Number of cycles run: 5847  
Number of cycles run: 50000  
Number of cycles run: 13862  
Number of cycles run: 6974  
Number of cycles run: 7816  
Number of cycles run: 50000  
Number of cycles run: 4132  
Number of cycles run: 23153  
Number of cycles run: 9209  
Number of cycles run: 759  
Number of cycles run: 12750  
Number of cycles run: 2183  
Number of cycles run: 19830  
Number of cycles run: 4015  
Av cycles for selfish strength 0 is 15100  
standard diviation is 16356.560592306561  
Testing average cycles for selfish strength 0  
Number of cycles run: 5572  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 9338  
Number of cycles run: 38225  
Number of cycles run: 7557  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 13510  
Number of cycles run: 50000  
Number of cycles run: 3029  
Number of cycles run: 9494  
Number of cycles run: 405  
Number of cycles run: 9219  
Number of cycles run: 10622  
Number of cycles run: 5295  
Number of cycles run: 384  
Number of cycles run: 11492  
Number of cycles run: 7010  
Number of cycles run: 7596  
Number of cycles run: 8073  
Number of cycles run: 50000  
Number of cycles run: 10275  
Number of cycles run: 512  
Number of cycles run: 1959  
Number of cycles run: 18402  
Number of cycles run: 2811  
Number of cycles run: 6763  
Number of cycles run: 50000  
Number of cycles run: 558  
Number of cycles run: 46700  
Number of cycles run: 6315  
Number of cycles run: 516  
Number of cycles run: 839  
Number of cycles run: 382  
Number of cycles run: 50000  
Number of cycles run: 1699  
Number of cycles run: 20710  
Number of cycles run: 7242  
Number of cycles run: 9673  
Number of cycles run: 8967  
Number of cycles run: 7116  
Number of cycles run: 12590  
Number of cycles run: 15074  
Number of cycles run: 9353  
Number of cycles run: 11359  
Number of cycles run: 50000  
Number of cycles run: 13812  
Number of cycles run: 7759  
Number of cycles run: 2670  
Av cycles for selfish strength 0 is 16417  
standard diviation is 17937.04075451075  
Testing average cycles for selfish strength 0  
Number of cycles run: 954  
Number of cycles run: 1667  
Number of cycles run: 28472  
Number of cycles run: 6009  
Number of cycles run: 50000  
Number of cycles run: 6793  
Number of cycles run: 50000  
Number of cycles run: 4562  
Number of cycles run: 10670  
Number of cycles run: 5860  
Number of cycles run: 46408  
Number of cycles run: 727  
Number of cycles run: 7187  
Number of cycles run: 17220  
Number of cycles run: 10526  
Number of cycles run: 17618  
Number of cycles run: 6331  
Number of cycles run: 6598  
Number of cycles run: 31824  
Number of cycles run: 2579  
Number of cycles run: 12126  
Number of cycles run: 50000  
Number of cycles run: 5717  
Number of cycles run: 5199  
Number of cycles run: 2875  
Number of cycles run: 16599  
Number of cycles run: 50000  
Number of cycles run: 8209  
Number of cycles run: 13465  
Number of cycles run: 50000  
Number of cycles run: 34913  
Number of cycles run: 1292  
Number of cycles run: 50000  
Number of cycles run: 4543  
Number of cycles run: 7436  
Number of cycles run: 17235  
Number of cycles run: 13623  
Number of cycles run: 5462  
Number of cycles run: 29124  
Number of cycles run: 9802  
Number of cycles run: 6834  
Number of cycles run: 5738  
Number of cycles run: 9866  
Number of cycles run: 15534  
Number of cycles run: 5907  
Number of cycles run: 15303  
Number of cycles run: 47285  
Number of cycles run: 1119  
Number of cycles run: 45994  
Number of cycles run: 13411  
Av cycles for selfish strength 0 is 17332  
standard diviation is 16772.21386874063  
Testing average cycles for selfish strength 0  
Number of cycles run: 13984  
Number of cycles run: 8373  
Number of cycles run: 5737  
Number of cycles run: 50000  
Number of cycles run: 9569  
Number of cycles run: 28422  
Number of cycles run: 10770  
Number of cycles run: 50000  
Number of cycles run: 8263  
Number of cycles run: 729  
Number of cycles run: 50000  
Number of cycles run: 6446  
Number of cycles run: 831  
Number of cycles run: 6622  
Number of cycles run: 7209  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 3435  
Number of cycles run: 911  
Number of cycles run: 3137  
Number of cycles run: 7755  
Number of cycles run: 6521  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 15117  
Number of cycles run: 16033  
Number of cycles run: 9326  
Number of cycles run: 539  
Number of cycles run: 5512  
Number of cycles run: 50000  
Number of cycles run: 11221  
Number of cycles run: 7417  
Number of cycles run: 3839  
Number of cycles run: 38486  
Number of cycles run: 3950  
Number of cycles run: 10060  
Number of cycles run: 569  
Number of cycles run: 29475  
Number of cycles run: 5896  
Number of cycles run: 11016  
Number of cycles run: 29992  
Number of cycles run: 7715  
Number of cycles run: 654  
Number of cycles run: 50000  
Number of cycles run: 50000  
Number of cycles run: 5381  
Number of cycles run: 6283  
Number of cycles run: 23845  
Number of cycles run: 547  
Number of cycles run: 13151  
Av cycles for selfish strength 0 is 17694  
standard diviation is 18172.94028590591